

**LIST OF TABLES**

Table 1.1 The 2010 MSA-Reading Responsibility for Test Development.....	6
Table 1.2 The 2010 MSA-Reading Test Form Design: Grades 3 through 8.....	7
Table 1.3 The 2010 MSA-Reading Item Distribution of Each Strand: Grades 3 and 8.....	9
Table 1.4 The 2010 MSA-Reading Item Distribution of Each Strand: Grade 5.....	9
Table 1.5 The 2010 MSA-Reading Item Distribution of Each Strand: Grades 4, 6, and 7.....	9
Table 1.6 The 2010 MSA-Reading Total and Standard Scores: Grades 3 and 8.....	10
Table 1.7 The 2010 MSA-Reading Total and Standard Scores: Grade 5.....	10
Table 1.8 The 2010 MSA-Reading Total and Standard Scores: Grade 4, 6, and 7.....	10
Table 1.9 The 2010 Reading Operational Test Construction Using the Rasch Model.....	12
Table 1.10 Descriptive Statistics for the 2010 MSA-Reading Form-to-Form Linking Common Items: Grades 3 through 8.....	27
Table 1.11 P-Value Comparisons of Linking Common Items for Previous Year vs. Year 2010: Grade 3 Form A.....	28
Table 1.12 P-Value Comparisons of Linking Common Items for Previous Year vs. Year 2010: Grade 3 Form B.....	29
Table 1.13 P-Value Comparisons of Linking Common Items for Previous Year vs. Year 2010: Grade 4 Form A.....	30
Table 1.14 P-Value Comparisons of Linking Common Items for Previous Year vs. Year 2010: Grade 4 Form B.....	31
Table 1.15 P-Value Comparisons of Linking Common Items for Previous Year vs. Year 2010: Grade 5 Form A.....	32
Table 1.16 P-Value Comparisons of Linking Common Items for Previous Year vs. Year 2010: Grade 5 Form B.....	33
Table 1.17 P-Value Comparisons of Linking Common Items for Previous Year vs. Year 2010: Grade 6 Form A.....	34
Table 1.18 P-Value Comparisons of Linking Common Items for Previous Year vs. Year 2010: Grade 6 Form B.....	35
Table 1.19 P-Value Comparisons of Linking Common Items for Previous Year vs. Year 2010: Grade 7 Form A.....	36
Table 1.20 P-Value Comparisons of Linking Common Items for Previous Year vs. Year 2010: Grade 7 Form B.....	37
Table 1.21 P-Value Comparisons of Linking Common Items for Previous Year vs. Year 2010: Grade 8 Form A.....	38
Table 1.22 P-Value Comparisons of Linking Common Items for Previous Year vs. Year 2010: Grade 8 Form B.....	39
Table 1.23 Form Identification for Items Appearing in both Previous Year and Year 2010: Grades 3 through 8.....	40
Table 1.24 P-Value Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 3 Form A.....	41
Table 1.25 Score-Point Distribution Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 3 Form A.....	41
Table 1.26 Rasch Item and Step Difficulty Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 3 Form A.....	42
Table 1.27 P-Value Comparisons of BCR Items for Previous Year vs. Year 2010:	

Grade 3 Form B .....	43
Table 1.28 Score-Point Distribution Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 3 Form B .....	43
Table 1.29 Rasch Item and Step Difficulty Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 3 Form B .....	44
Table 1.30 P-Value Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 4 Form A .....	45
Table 1.31 Score-Point Distribution Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 4 Form A .....	45
Table 1.32 Rasch Item and Step Difficulty Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 4 Form A .....	46
Table 1.33 P-Value Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 4 Form B .....	47
Table 1.34 Score-Point Distribution Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 4 Form B .....	48
Table 1.35 Rasch Item and Step Difficulty Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 4 Form B .....	48
Table 1.36 P-Value Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 5 Form A .....	49
Table 1.37 Score-Point Distribution Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 5 Form A .....	49
Table 1.38 Rasch Item and Step Difficulty Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 5 Form A .....	50
Table 1.39 P-Value Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 5 Form B .....	51
Table 1.40 Score-Point Distribution Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 5 Form B .....	51
Table 1.41 Rasch Item and Step Difficulty Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 5 Form B .....	52
Table 1.42 P-Value Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 6 Form A .....	53
Table 1.43 Score-Point Distribution Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 6 Form A .....	53
Table 1.44 Rasch Item and Step Difficulty Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 6 Form A .....	54
Table 1.45 P-Value Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 6 Form B .....	55
Table 1.46 Score-Point Distribution Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 6 Form B .....	55
Table 1.47 Rasch Item and Step Difficulty Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 6 Form B .....	56
Table 1.48 P-Value Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 7 Form A .....	57
Table 1.49 Score-Point Distribution Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 7 Form A .....	57

Table 1.50 Rasch Item and Step Difficulty Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 7 Form A .....	58
Table 1.51 P-Value Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 7 Form B .....	59
Table 1.52 Score-Point Distribution Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 7 Form B .....	59
Table 1.53 Rasch Item and Step Difficulty Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 7 Form B.....	60
Table 1.54 P-Value Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 8 Form A .....	61
Table 1.55 Score-Point Distribution Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 8 Form A .....	61
Table 1.56 Rasch Item and Step Difficulty Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 8 Form A .....	62
Table 1.57 P-Value Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 8 Form B .....	63
Table 1.58 Score-Point Distribution Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 8 Form B .....	63
Table 1.59 Rasch Item and Step Difficulty Comparisons of BCR Items for Previous Year vs. Year 2010: Grade 8 Form B.....	64
Table 1.60 Rasch Item Difficulties and Robust Z Values for Previous Year vs. Year 2010: Grade 3.....	68
Table 1.61 Rasch Item Difficulties and Robust Z Values for Previous Year vs. Year 2010: Grade 4.....	71
Table 1.62 Rasch Item Difficulties and Robust Z Values for Previous Year vs. Year 2010: Grade 5.....	74
Table 1.63 Rasch Item Difficulties and Robust Z Values for Previous Year vs. Year 2010: Grade 6.....	77
Table 1.64 Rasch Item Difficulties and Robust Z Values for Previous Year vs. Year 2010: Grade 7.....	80
Table 1.65 Rasch Item Difficulties and Robust Z Values for Previous Year vs. Year 2010: Grade 8.....	83
Table 1.66 The 2010 MSA-Reading Slope and Intercept for Each Grade: Grades 3 through 8.....	86
Table 1.67 The 2010 MSA-Reading Eigenvalues between the First and Second Components: Grades 3 through 8.....	91
Table 2.1 MSA-Reading Cut Scores: Grades 3 through 8.....	97
Table 2.2 The 2010 MSA-Reading Pass Rates: Grades 3 through 8.....	97
Table 2.3 The 2010 MSA-Reading Pass Rates by Gender: Grades 3 through 8 .....	98
Table 2.4 The 2010 MSA-Reading Pass Rates by Ethnicity: Grades 3 through 8 .....	99
Table 2.5 The 2010 MSA-Reading Pass Rates by LEA: Grade 3 .....	100
Table 2.6 The 2010 MSA-Reading Pass Rates by LEA: Grade 4 .....	101
Table 2.7 The 2010 MSA-Reading Pass Rates by LEA: Grade 5 .....	102
Table 2.8 The 2010 MSA-Reading Pass Rates by LEA: Grade 6 .....	103
Table 2.9 The 2010 MSA-Reading Pass Rates by LEA: Grade 7 .....	104
Table 2.10 The 2010 MSA-Reading Pass Rates by LEA: Grade 8 .....	105

Table 3.1 Criteria to Evaluate Mean-Square Fit Statistics .....	110
Table 3.2 $2 \times T$ Contingency Table at the $k^{\text{th}}$ Level .....	112
Table 3.3 <i>DIF</i> Classification for BCR Items .....	113
Table 3.4 <i>DIF</i> Classification for SR Items .....	114
Table 4.1 The 2010 MSA-Reading Descriptive Statistics: Grades 3 through 8 .....	120
Table 4.2 The 2010 MSA-Reading Scale Score Descriptive Statistics: Grades 3 through 8 .....	121
Table 4.3 The 2010 MSA-Reading Strand Correlations: Grade 3 Form A .....	122
Table 4.4 The 2010 MSA-Reading Strand Correlations: Grade 3 Form B .....	122
Table 4.5 The 2010 MSA-Reading Strand Correlations: Grade 4 Form A .....	122
Table 4.6 The 2010 MSA-Reading Strand Correlations: Grade 4 Form B .....	122
Table 4.7 The 2010 MSA-Reading Strand Correlations: Grade 5 Form A .....	123
Table 4.8 The 2010 MSA-Reading Strand Correlations: Grade 5 Form B .....	123
Table 4.9 The 2010 MSA-Reading Strand Correlations: Grade 6 Form A .....	123
Table 4.10 The 2010 MSA-Reading Strand Correlations: Grade 6 Form B .....	123
Table 4.11 The 2010 MSA-Reading Strand Correlations: Grade 7 Form A .....	124
Table 4.12 The 2010 MSA-Reading Strand Correlations: Grade 7 Form B .....	124
Table 4.13 The 2010 MSA-Reading Strand Correlations: Grade 8 Form A .....	124
Table 4.14 The 2010 MSA-Reading Strand Correlations: Grade 8 Form B .....	124
Table 4.15 The 2010 MSA-Reading Decision Accuracy and Consistency Indices: Grade 3 .....	125
Table 4.16 The 2010 MSA-Reading Decision Accuracy and Consistency Indices: Grade 4 .....	125
Table 4.17 The 2010 MSA-Reading Decision Accuracy and Consistency Indices: Grade 5 .....	125
Table 4.18 The 2010 MSA-Reading Decision Accuracy and Consistency Indices: Grade 6 .....	126
Table 4.19 The 2010 MSA-Reading Decision Accuracy and Consistency Indices: Grade 7 .....	126
Table 4.20 The 2010 MSA-Reading Decision Accuracy and Consistency Indices: Grade 8 .....	126
Table 4.21 The 2010 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 3 .....	127
Table 4.22 The 2010 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 4 .....	127
Table 4.23 The 2010 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 5 .....	127
Table 4.24 The 2010 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 6 .....	128
Table 4.25 The 2010 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 7 .....	128
Table 4.26 The 2010 MSA-Reading Score Difference between Rater 1 and Rater 2: Grade 8 .....	128
Table 4.27 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 3 Form A .....	129

Table 4.28 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 3 Form B .....	130
Table 4.29 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 3 Form A .....	131
Table 4.30 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 3 Form B .....	132
Table 4.31 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table for Verbatim Students: Grade 3 Form A .....	133
Table 4.32 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table for Verbatim Students: Grade 3 Form B .....	134
Table 4.33 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table for Verbatim Students: Grade 3 Form A .....	135
Table 4.34 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table for Verbatim Students: Grade 3 Form B .....	136
Table 4.35 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 4 Form A .....	137
Table 4.36 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 4 Form B .....	138
Table 4.37 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 4 Form A .....	139
Table 4.38 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 4 Form B .....	140
Table 4.39 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 5 Form A .....	141
Table 4.40 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 5 Form B .....	142
Table 4.41 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 5 Form A .....	143
Table 4.42 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 5 Form B .....	144
Table 4.43 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 6 Form A .....	145
Table 4.44 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 6 Form B .....	146
Table 4.45 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 6 Form A .....	147
Table 4.46 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 6 Form B .....	148
Table 4.47 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 7 Form A .....	149
Table 4.48 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 7 Form B .....	150
Table 4.49 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 7 Form A .....	151
Table 4.50 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 7 Form B .....	152

Table 4.51 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 8 Form A .....	153
Table 4.52 The 2010 MSA-Reading Total Raw Score to Scale Score Conversion Table: Grade 8 Form B.....	154
Table 4.53 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 8 Form A .....	155
Table 4.54 The 2010 MSA-Reading Subtotal Raw Score to Scale Score Conversion Table: Grade 8 Form B.....	156
Table A.1 The 2010 MSA-Reading Population and Stratified Random Sampling: Grade 3 LEA.....	161
Table A.2 The 2010 MSA-Reading Population and Stratified Random Sampling: Grade 3 Ethnicity.....	162
Table A.3 The 2010 MSA-Reading Population and Stratified Random Sampling: Grade 3 Gender.....	162
Table A.4 The 2010 MSA-Reading Population and Stratified Random Sampling: Grade 4 LEA.....	163
Table A.5 The 2010 MSA-Reading Population and Stratified Random Sampling: Grade 4 Ethnicity.....	164
Table A.6 The 2010 MSA-Reading Population and Stratified Random Sampling: Grade 4 Gender.....	164
Table A.7 The 2010 MSA-Reading Population and Stratified Random Sampling: Grade 5 LEA.....	165
Table A.8 The 2010 MSA-Reading Population and Stratified Random Sampling: Grade 5 Ethnicity.....	166
Table A.9 The 2010 MSA-Reading Population and Stratified Random Sampling: Grade 5 Gender.....	166
Table A.10 The 2010 MSA-Reading Population and Stratified Random Sampling: Grade 8 LEA.....	167
Table A.11 The 2010 MSA-Reading Population and Stratified Random Sampling: Grade 8 Ethnicity.....	168
Table A.12 The 2010 MSA-Reading Population and Stratified Random Sampling: Grade 8 Gender.....	168
Table C.1 The 2010 MSA-Reading Classical and Rasch Item Parameters: Grade 3 Form A.....	201
Table C.2 The 2010 MSA-Reading Classical and Rasch Item Parameters: Grade 3 Form B .....	202
Table C.3 The 2010 MSA-Reading Classical and Rasch Item Parameters: Grade 4 Form A.....	203
Table C.4 The 2010 MSA-Reading Classical and Rasch Item Parameters: Grade 4 Form B .....	204
Table C.5 The 2010 MSA-Reading Classical and Rasch Item Parameters: Grade 5 Form A.....	205
Table C.6 The 2010 MSA-Reading Classical and Rasch Item Parameters: Grade 5 Form B .....	206
Table C.7 The 2010 MSA-Reading Classical and Rasch Item Parameters: Grade 6 Form A.....	207

Table C.8 The 2010 MSA-Reading Classical and Rasch Item Parameters: Grade 6 Form B .....	208
Table C.9 The 2010 MSA-Reading Classical and Rasch Item Parameters: Grade 7 Form A .....	209
Table C.10 The 2010 MSA-Reading Classical and Rasch Item Parameters: Grade 7 Form B .....	210
Table C.11 The 2010 MSA-Reading Classical and Rasch Item Parameters: Grade 8 Form A .....	211
Table C.12 The 2010 MSA-Reading Classical and Rasch Item Parameters: Grade 8 Form B .....	212
Table D.1 The 2010 MSA-Reading Blueprint: Grade 3 .....	214
Table D.2 The 2010 MSA-Reading Blueprint: Grade 4 .....	226
Table D.3 The 2010 MSA-Reading Blueprint: Grade 5 .....	238
Table D.4 The 2010 MSA-Reading Blueprint: Grade 6 .....	250
Table D.5 The 2010 MSA-Reading Blueprint: Grade 7 .....	262
Table D.6 The 2010 MSA-Reading Blueprint: Grade 8 .....	278